

## Product datasheet for TP521850

### Spn (NM\_001037810) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse sialophorin (Spn), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR221850 representing NM_001037810 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MALHLLLLFGACWVQVAPDSLQRTTMLPSTPHITAPSTSEAQNASPSVSVGSGTVDSKETISPWGQTTI PVSLTPLETTTELSSLETSAGASMSTPVPEPTASQEVSSKTSALLPEPSNVASDPPVTAANPVTGDGPAANP VTDGTAASTSISKGTSAPPTTVTTSSNETSGPSVATTVSSKTSGPPVTTATGSLGPSSEMHGLPATTATS SVESSVARGTSVSSRKTSTTSTQDPITTRSPSQESSGMLLPMLIALVWLALVALLLWRQRQKRRTG ALTLSGGGKRNGVVDAGPARVPDEEATTTSGAGGNKGSEVLETEGSGQRPTLTFFSRRKSRQGLVL EELKPGSGPNLKGEEPLVGSEDEAVETPTSDGPPQAKDEAAPQSL
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-MYC/DDK
Predicted MW:	40.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_001032899</a>
Locus ID:	20737
UniProt ID:	<a href="#">P15702</a> , <a href="#">Q544C5</a>



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RefSeq Size:	1475
Cytogenetics:	7 69.35 cM
RefSeq ORF:	1185
Synonyms:	A630014B01Rik; Cd43; Galgp; Ly-48; Ly48
Summary:	<p>Predominant cell surface sialoprotein of leukocytes which regulates multiple T-cell functions, including T-cell activation, proliferation, differentiation, trafficking and migration. Positively regulates T-cell trafficking to lymph-nodes via its association with ERM proteins (EZR, RDX and MSN) (PubMed:17638845, PubMed:21289089, PubMed:11728336). Negatively regulates Th2 cell differentiation and predisposes the differentiation of T-cells towards a Th1 lineage commitment (PubMed:18490738). Promotes the expression of IFN-gamma by T-cells during T-cell receptor (TCR) activation of naive cells and induces the expression of IFN-gamma by CD4(+) T-cells and to a lesser extent by CD8(+) T-cells. Plays a role in preparing T-cells for cytokine sensing and differentiation into effector cells by inducing the expression of cytokine receptors IFNGR and IL4R, promoting IFNGR and IL4R signaling and by mediating the clustering of IFNGR with TCR (By similarity). Acts as a major E-selectin ligand responsible for Th17 cell rolling on activated vasculature and recruitment during inflammation. Mediates Th17 cells, but not Th1 cells, adhesion to E-selectin (PubMed:26700769). Acts as a T-cell counter-receptor for SIGLEC1 (PubMed:11238599).[UniProtKB/Swiss-Prot Function]</p>